

C9/C55,145

File Copy

U	1	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Classif
	<input type="checkbox"/>	US 6046497 A	20000421	57	Glyphosate resistant maize lines	800/288	536/24.1 ; 800/266 ; 800/275 ; 800/278 ; 800/300.1 ; 800/320.1	
	<input type="checkbox"/>				Compositions and methods for detection of 2,4-dichlorophenoxyacetic acid and related compounds	435/4	435/174 ; 435/177 ; 435/179 ; 435/180 ; 435/25 ; 435/325 ; 435/348 ; 435/349 ; 435/358 ; 435/365 ; 435/367 ; 435/419 ; 435/42 ; 435/46 ; 435/810 ; 435/822 ; 435/829 ; 435/849	

	Inventor	S	C	P	2	3	4	5
1	Spencer, Michael , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Crawford, Ronald L. , et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Err ors
1	BPS	L1	1	dicamba WITH oxygenase	USPAT	2001/01/09 13:11			0
2	BPS	L2	1	dicamba and oxy-j-lase	USPAT	2001/01/09 13:12			0
3	BRS	L3	0	dicamba and (o adj demethylase)	USPAT	2001/01/09 13:13			0
4	BKS	L4	1	dicamba and demethylase	USPAT	2001/01/09 13:13			0

LI ANSWER 1 OF 6 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1997184590 BIOSIS
 DN PREV199795533793
 TI Cloning of the genes for the **oxygenase** and ferredoxin components
 of **dicamba** O-demethylase from *Pseudomonas maltophilia*, strain
 DI-6.
 AU Herman, P. L.; Wang, X.-Z.; Weeks, D. P.
 CS Univ. Nebr.-Lincoln, Lincoln, NE 68583 USA
 SO Abstracts of the General Meeting of the American Society for Microbiology,
 (1997) Vol. 97, No. 6, pp. 122.
 Meeting Info.: 97th General Meeting of the American Society for
 Microbiology Miami Beach, Florida, USA May 4-8, 1997
 ISSN: 1065-2011.
 DT Conference; Abstract; Conference
 LA English

LI ANSWER 2 OF 6 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1997184597 BIOSIS
 DN PREV199795533943
 TI A three-component enzyme system catalyzes the O demethylation of the
 herbicide dicamba in *Pseudomonas maltophilia* DI-6.
 AU Wang, X.-Z.; Li, B.; Herman, Patricia L.; Weeks, Donald P. (1)
 CS Univ. Nebraska-Lincoln, Cent. Biotechnol., N300 Beadle Cent., 1901
 Vine St., Lincoln, NE 68583-1668 USA
 SO Applied and Environmental Microbiology, (1997) Vol. 63, No. 4, pp.
 1623-1626.
 ISSN: 0093-1240.
 DT Article
 LA English

LI ANSWER 3 OF 6 AGRICOLA
 AN 97123416 AGRICOLA
 DN INDO00123416
 TI A three-component enzyme system catalyzes the O demethylation of the
 herbicide dicamba in *Pseudomonas maltophilia* DI-6.
 AU Wang, X.-Z.; Li, B.; Herman, P.L.; Weeks, D.P.
 CS University of Nebraska, Lincoln, NE.
 SO Applied and environmental microbiology, Apr 1997. Vol. 63, No. 4. p.
 1623-1626
 Publisher: Washington : American Society for Microbiology
 CODEN: AEMIDF; ISSN: 0099-2240
 NTE Includes references
 DT Distribution of Columbia; United States
 DT Article
 DT U.S. Imprints not USDA, Experiment or Extension
 LA English

LI ANSWER 4 OF 6 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V.
 AN 97123416 EMBASE
 DN 1997123416
 TI A three-component enzyme system catalyzes the O demethylation of the
 herbicide dicamba in *Pseudomonas maltophilia* DI-6.
 AU Wang X.-Z.; Li, B.; Herman P.L.; Weeks D.P.
 CS D.S. Weeks, Center for Biotechnology, N300 Beadle Center, University of
 Nebraska, 1901 Vine St., Lincoln, NE 68583-0668, United States.
 klee001@unl.unl.edu
 SO Applied and Environmental Microbiology, (1997) 63/4 (1623-1626).
 E-fts: 11
 ISSN: 0049-1240 CODEN: AEMIDF
 CV United States
 DT Journal; Article
 DT 004 Microbiology
 LA English
 SL English

L1 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2001 ACS
 AN 1998:683512 CAPLUS
 DN 1:9:299041
 TI *Pseudomonas* dicamba O-methylase and cDNA and transgenic dicamba-resistant plants
 IN Weeks, Donald P.; Wang, Xiao-Zhou; Herman, Patricia L.
 PA USA
 SO PCT Int. Appl., 69 pp.
 CODEN: PINKP2
 DT Patent
 LA English
 EFN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FI	WO 9:48474	A1	19981015	WO 1998-06689	19980403
	E: AU, AX, AT, AU, AC, BA, BP, BB, BR, BY, CA, CH, CN, CU, DE, DK, DM, EE, ES, FI, GE, GR, GM, GW, HU, IL, IN, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: CH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	EP 181235	A1	20000628	EP 1998-915256	19980403
	E: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT				
	N 9814791	A	19991101	NO 1998-4791	19981001
FRAI	US 1997-41866		1997-414		
	US 1997-41841		1997-414		
	WO 1998-06689		1998-413		

L1 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2001 ACS
 AN 1997:241817 CAPLUS
 DN 1:6:513953
 TI A three-component enzyme system catalyzes the O demethylation of the herbicide dicamba in *Pseudomonas maltophilia* D1-C
 AU Wang, Xiao-Zhou; Li, Bin; Herman, Patricia L.; Weeks, Donald P.
 CS Dep. Biochem., Univ. Nebraska-Lincoln, Lincoln, NE, 68588-0665, USA
 SO Appl. Environ. Microbiol. (1997), 63(4), 1623-1626
 CODEN: AEMIDF; ISSN: 0099-2240
 PB American Society for Microbiology
 DT Journal
 LA English

L3 ANSWER 1 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 2000:387540 BIOSIS
 EN PFEV19000:387540
 TI Purification and characterization of **dicamba** O-
demethylase from *Clostridium thermaceticum*.
 AU Haida, D. G. (1); Eegsdal, J. W. (1)
 CS (1) University of Nebraska, Lincoln, NE USA
 SO Abstracts of the General Meeting of the American Society for Microbiology,
 1999 Vol. 10, pp. 432. print.
 Meeting Info.: 10th General Meeting of the American Society for
 Microbiology Los Angeles, California, USA May 21-25, 2000 American Society
 for Microbiology
 . ISSN: 1060-2011.

DT Conference
 LA English
 SL English

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2001 ACS
 AN 1999:042110 CAPLUS
 EN 199:099041
 TI *Pseudomonas* **dicamba** O-methylase and cDNA and transgenic
dicamba-resistant plants
 AU Weeks, Donald P.; Wang, Xiao-Shuo; Herman, Patricia L.
 EA USA
 SO PCT Int. Appl., 60 pp.
 CODEN: PXXXXC
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 0689418	A1	19951115	WO 1996-US6589	19980403
W: AU, AM, AT, AU, AC, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, FR, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NZ, NL, NO, PT, RU, SD, SE, SG, SI, SK, SL, TJ, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TC, TM EN: GB, GR, HE, LS, MK, OD, SZ, DE, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GE, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, CR, CU, ML, ME, NE, SN, TD, TG EP 1010387 A1 21 10 93 EP 1998-913256 19980403 E: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, PT NO 9804195 A 14 01 2001 NO 1999-4795 19991001				
PFAI US 1997-41660		19970404		
US 1997-41941		19970404		
WO 1996-US6589		19980403		

L3 ANSWER 3 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 1
 AN 1997:073000 BIOSIS
 EN PFEV19074:073000
 TI A three-component enzyme system catalyzes the O demethylation of the
 herbicide **dicamba** in *Pseudomonas maltophilia* DI-6.
 AU Wang, Xiao-Shuo; Li, Bin; Herman, Patricia L.; Weeks, Donald P. (1)
 CS (1) Univ. Nebraska-Lincoln, Cent. Biotechnol., N300 Beadle Cent., 1901
 Vane St., Lincoln, NE 68583-0655 USA
 SO Applied and Environmental Microbiology, (1997) Vol. 63, No. 4, pp.
 1023-1026.
 ISSN: 0090-2104.
 DT Article
 LA English

L3 ANSWER 4 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1997:084500 BIOSIS
 EN PFEV19074:084500
 TI Cloning of the genes for the oxygenase and ferredoxin components of

dicamba 0-demethylase from *Pseudomonas maltophilia*, strain D.-6.

AD Herman, P. L.; Wang, X.-Z.; Weeks, D. P.
 CN Univ. Nebraska-Lincoln, Lincoln, NE 68588 USA
 SO Abstracts of the General Meeting of the American Society for Microbiology, (1997) Vol. 97, No. 0, pp. 022.
 Meeting Info.: 97th General Meeting of the American Society for Microbiology Miami Beach, Florida, USA May 4-8, 1997
 ISSN: 1090-2911.
 DT Conference; Abstract; Conference
 LA English

1- ANSWER 1 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 2
 AN 1994:0004 BIOSIS
 DN PFEV1994000004
 TI Engineering **dicamba** selectivity in crops: A search for appropriate degradative enzyme(s).
 AU Subramanian, M. V. (1); Tacey, C.; Patel, B.; Jensen, P. J.
 CS (1) Sandoz Agro Inc., Research Div., 975 California Ave., Palo Alto, CA 94304-1109 USA
 SO Journal of Industrial Microbiology & Biotechnology, (Nov.-Dec., 1997) Vol. 19, No. 6, pp. 333-339.
 DT Article
 LA English

2- ANSWER 6 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1995:27119 BIOSIS
 DN PFEV1995001619
 TI **Dicamba 0-demethylase** from *Pseudomonas maltophilia*, strain D.-6: A three-component enzyme.
 AU Wang, X. Z.; Li, B.; Herman, P. L.; Weeks, D. P.
 CN Univ. Nebraska-Lincoln, Lincoln, NE 68588 USA
 SO PACHE Journal, (1995) Vol. 9, No. 6, pp. A149L.
 Meeting Info.: Annual Meeting of the American Society for Biochemistry and Molecular Biology San Francisco, California, USA May 21-25, 1995
 ISSN: 1361-0688.
 DT Conference
 LA English

3- ANSWER 7 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1995:19101 BIOSIS
 DN PFEV1995001910
 TI A three component 0-**demethylase** enzyme from *Pseudomonas maltophilia* catalyzes the first step in degradation of the herbicide, **dicamba**.
 AU Wang, Xiao-Zhuo; Li, Bin; Herman, Patricia L.; Weeks, Donald P.
 CS Univ. Nebraska, Lincoln, NE 68583 USA
 SO Abstracts of the General Meeting of the American Society for Microbiology, (1995) Vol. 95, No. 0, pp. 041.
 Meeting Info.: 95th General Meeting of the American Society for Microbiology Washington, D.C., USA May 21-25, 1995
 ISSN: 1090-2911.
 DT Conference
 LA English

4- ANSWER 8 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 3
 AN 1994:504845 BIOSIS
 DN PFEV199400517845
 TI Anaerobic pathway for conversion of the methyl group of aromatic methyl ethers to acetic acid by *Clostridium thermoaceticum*.
 AU Kasmi, Asma El; Rajasekharan, Sumathi; Raysdale, Stephen W. (1)
 CN (1) Dep. Biochem., East Campus, Univ. Nebraska, Lincoln, NE 68583-0018 USA
 SO Biochemistry, (1994) Vol. 33, No. 37, pp. 11217-11224.
 ISSN: 0006-2808.
 DT Article
 LA English

5- ANSWER 9 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS
 AN 1994:191097 BIOSIS
 DN PFEV199400204397

*TI Characterization of a bacterial system capable of degrading
dicamba and evaluation of its potential in the development of
herbicide-tolerant crops.

AD Weeks, Donald P. (1); Wang, Xiao Zhuo (1); Herman, Patricia L. (1); Yang,
Ju; Hage, David

CS (1) Dep. Biochem., Univ. Nebr., Lincoln, NE 68583-0718 USA

SO Journal of Cellular Biochemistry Supplement, (1994) Vol. 3, No. 18 PART A,
pp. 91.
Meeting Info.: Keystone Symposium on Improved Crop and Plant Products
Through Biotechnology Keystone, Colorado, USA January 9-16, 1994
ISBN: 0-896-1989.

DT Conference

LA English

13 ANSWER 13 OF 11 AGRICOLA

AN 1:111547 AGRICOLA

DN IND93066977

TI The effect of structurally divergent herbicides on mouse liver
xenobiotic-metabolizing enzymes (P-450-dependent mono-oxygenases, epoxide-
hydrolases and glutathione S-transferases) and carnitine
acetyltransferase.

AD Moody, D.B.; Naflock, B.A.; Shull, L.R.; Hammock, B.D.

CS Center for Human Toxicology, Salt Lake City, UT

AV DMAL (FA1193.T62)

SO Toxicology letters, Dec 1991. Vol. 53, No. 1/3. p. 175-185
Publisher: Amsterdam : Elsevier Science Publishers.
CODEN: TOLEDD; ISSN: 0378-4274

NTE Includes references.

DT Article

FS Non-U.S. imprint other than FAO

LA English

13 ANSWER 13 OF 11 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 4

AN 1991:12504 BIOSIS

DN BA93:71774

TI THE EFFECT OF STRUCTURALLY DIVERGENT HERBICIDES ON MOUSE LIVER
XENOBIOTIC-METABOLIZING ENZYMES P-450-DEPENDENT MONOOXYGENASES EPOXIDE
HYDROLASES AND GLUTATHIONE S-TRANSFERASES AND CARNITINE ACETYLTRANSFERASE.

AD MOODY D B; NAFLOCK B A; SHULL L R; HAMMOCK B D

CS CENT. HUMAN TOXICOL., 417 WAKARA WAY, ROOM 230, SALT LAKE CITY, UTAH
84104.

SO TOXICOL LETT (AMST), 1991, 53, 1-3, 175-185.
CODEN: TOLEDD. ISSN: 0378-4274.

FS BA; OLD

LA English

=> d his

(FILE 'HOME' ENTERED AT 11:14:34 ON 09 JAN 2001)

FILE 'BIOSIS, AGRICOLA, ENBASE, CAPLUS' ENTERED AT 13:15:04 ON 09 JAN 2001

L1 6 S DICAMBA (S) OXYGENASE
L2 11 S DICAMBA AND DEMETHYLASE
L3 11 DUP FEM L2 (10 DUPLICATES REMOVED)